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KH Ko, DH Choi, MS Cho, JW Lee - preprint, 2002 - citeseerx.ist.psu.edu

Page 1. New Signature Scheme Using Conjugacy Problem ... Key words: non-commutative, braid, digital signature, provable, conjugacy problem 1 Introduction ...

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Recursively enumerable degrees and the conjugacy problem

DJ Collins - Acta Mathematica, 1989 - Springer

... THE CONJUGACY PROBLEM BY ... We prove that for every re degree of unsolvability there exists a finitely presented group whose conjugacy problem is of that degree. ...

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A polynomial time algorithm for the braid Diffie-Hellman conjugacy problem - [ma.ac.be](#) [PDF]

JH Cheon, B Jun - Advances in cryptography-CRYPTO, 2003 - Springer

... Diffie-Hellman Conjugacy Problem Jung Hee Cheon 1 and Byungheup Jun 2 ... Keywords:

Braid group, Non-abelian group, Conjugacy Problem 1 Introduction ...

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D Krammer - 1994 - maths.warwick.ac.uk

 ... a root base for W such that the symmetric bilinear form (\cdot, \cdot) has signature $(n, 1 \dots 4, 7, 6)$ we use this to give a solution to the conjugacy problem for hyperbolic ...

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New public-key cryptosystem using braid groups - [psu.edu](#) [PDF]

KH Ko, SJ Lee, JH Cheon, JW Han, J Kang, C Park - Lecture Notes in Computer Science, 2000 - Springer

... Key words: public key cryptosystem, braid group, conjugacy problem, key exchange,

hard problem, non-commutative group, one-way function, public key ...

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[PDF] • Braid-based cryptography

P Dehornoy - Contemp. Math, 2004 - citeseerx.ist.psu.edu

... Authentication 2.4. Signature 3. Attacks against the braid schemes 3.1. Solutions to the Conjugacy Problem 3.2. Attacks based on length 3.3. ...

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New public key cryptosystem using finite non Abelian groups - [iacr.org](#) [PDF]

SH Paeng, KC Ha, JH Kim, S Chee, C Park - Lecture notes in computer science, 2001 - Springer

... can apply our encryption scheme to G even if DLP and the (special) conjugacy problem in G are not hard problems. ... It is easy to make a signature scheme with ...

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Conjugate points on spacelike geodesics or pseudo-self-adjoint Morse-Sturm-Liouville systems

AD Hefter - Pacific J. Math, 1994 - projecteuclid.org

... Section 10 treats the Morse-Sturm problem. ... of a point with a whole ray of conjugate points, and ... The signature of a quadratic form is its positive type number ...

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[A linear algebraic attack on the AAFG1 braid group cryptosystem- psu.edu PDF](#)

J Hughes - Lecture Notes in Computer Science, 2002 - Springer

... in a given finitely presented group, which can be computed rather rapidly, and in which there is no corresponding fast solution for the **conjugacy problem**. ...

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